FIG. 1A

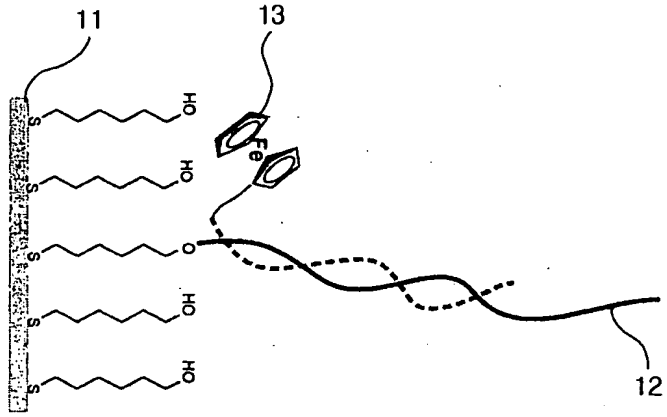


FIG. 1B

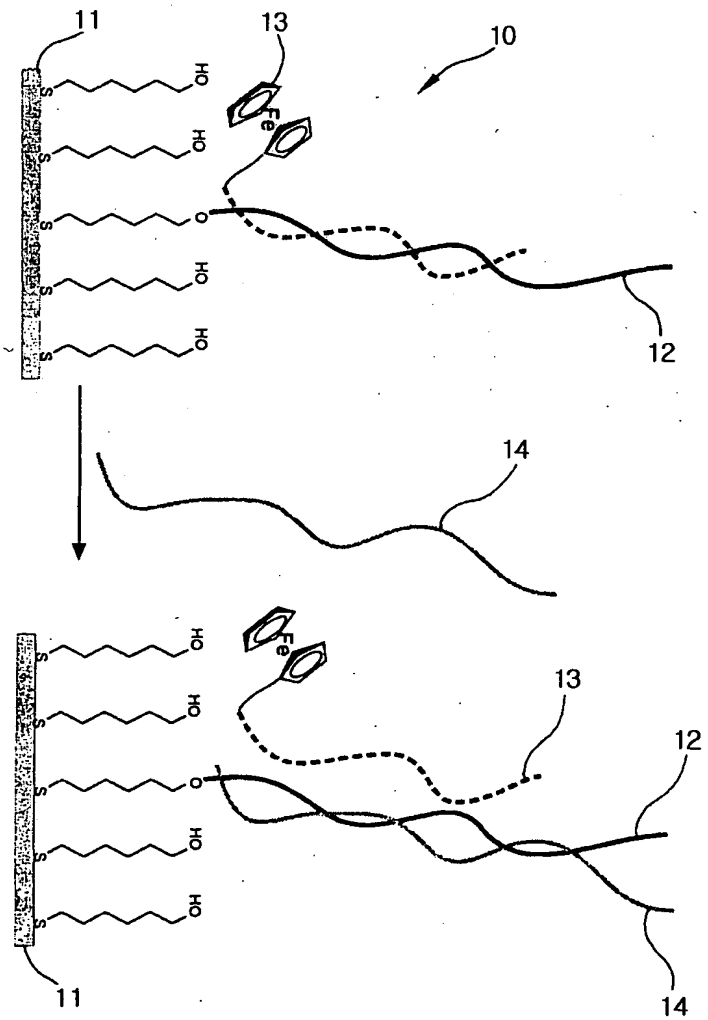


FIG. 2A

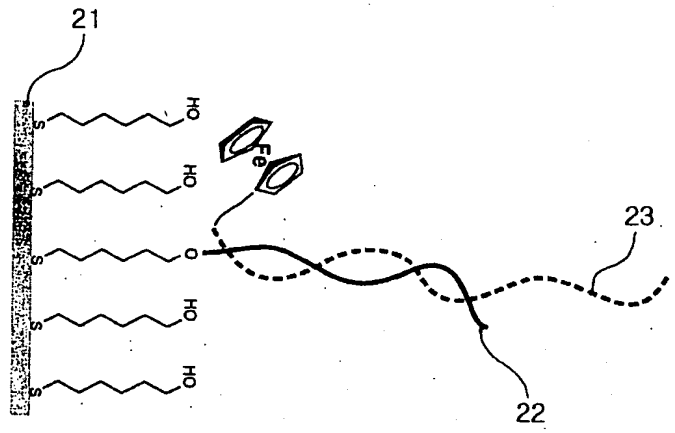


FIG. 2B

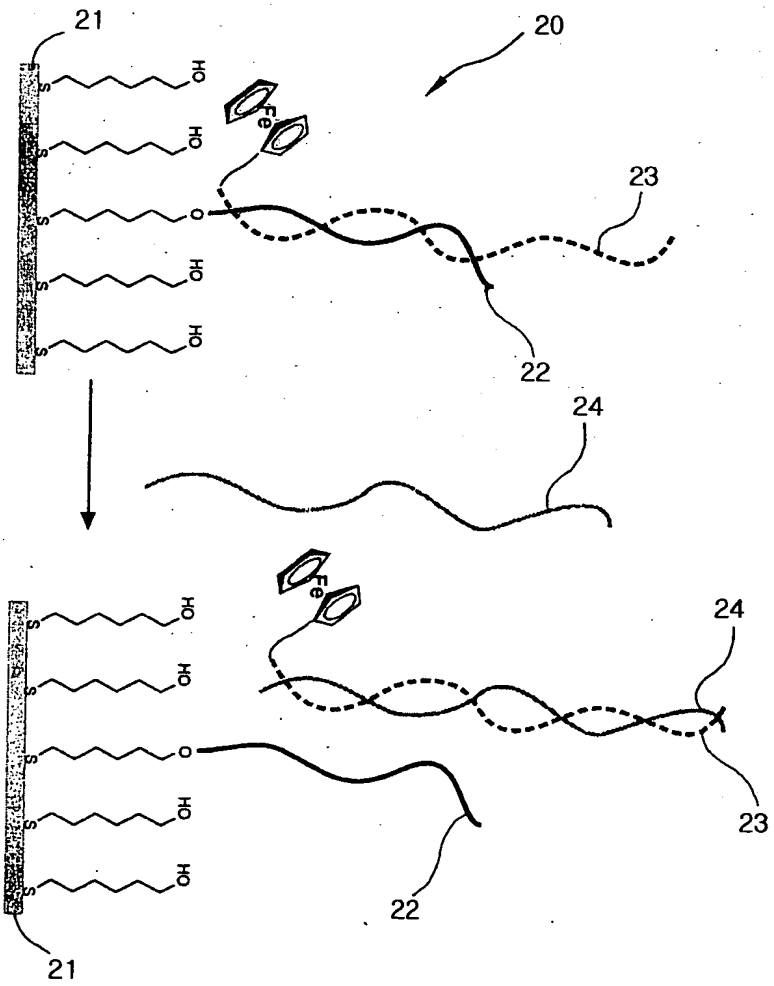


FIG. 3A

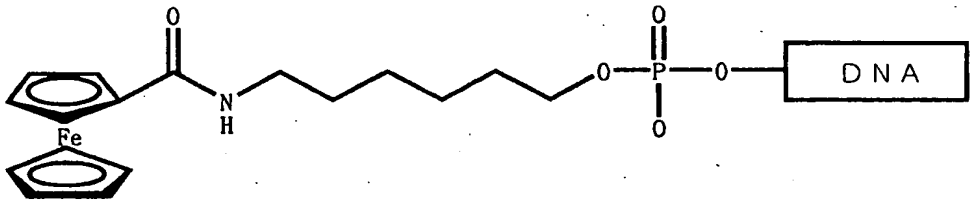


FIG. 3B

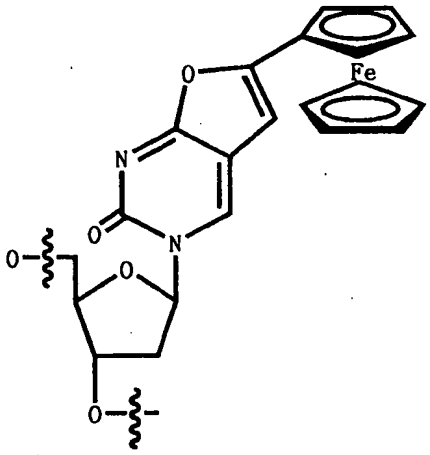
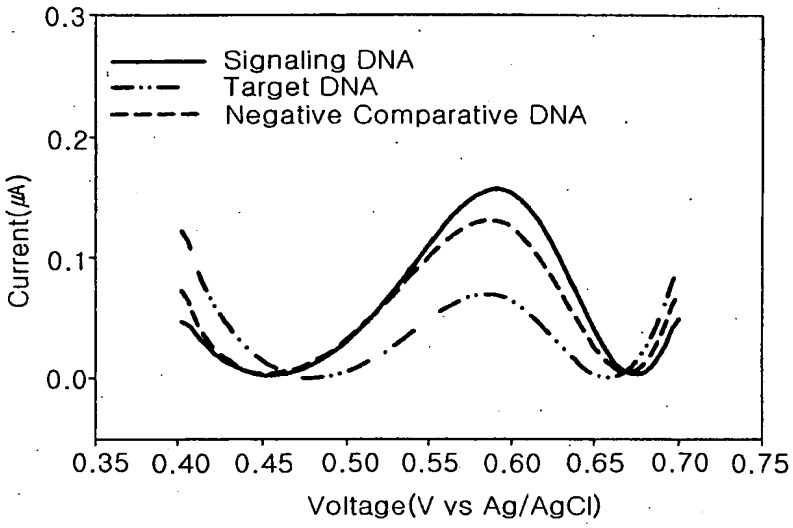


FIG. 4A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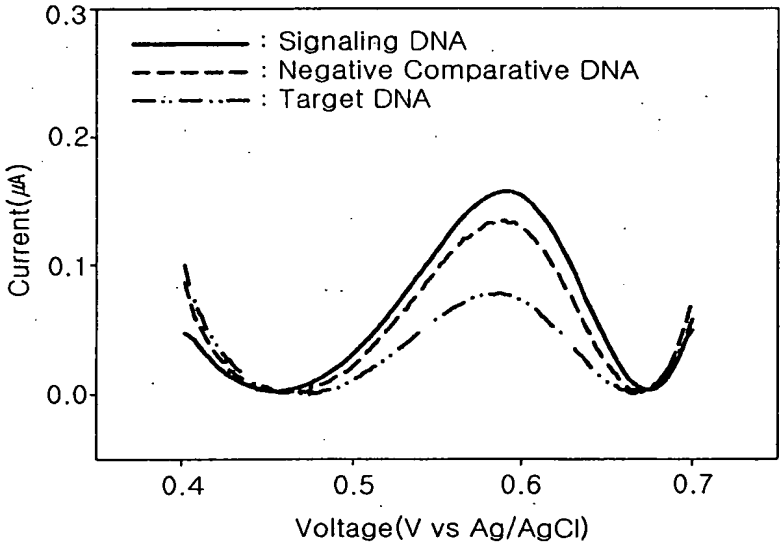
0.2
0.1
0.0
Current(μA)
Signaling DNA
Target DNA
Negative Comparative DNA
0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70 0.75
Voltage(V vs Ag/AgCl)

FIG. 4B


0.3
0.2
0.1
0.0
Current(μA)
: Signaling DNA
: Negative Comparative DNA
: Target DNA
0.4 0.5 0.6 0.7
Voltage(V vs Ag/AgCl)